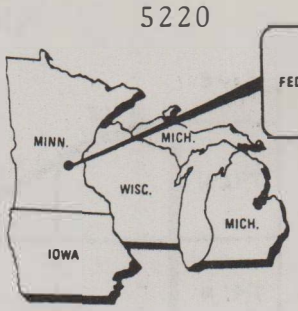
US DEPARTMENT OF AGRICULTURE
FOREST SERVICE

Northeastern Area
State & Private Forestry
DIVISION OF FOREST PEST CONTROL

5220



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ASPEN DEFOLIATION BY THE LARGE ASPEN TORTRIX ON THE NICOLET NATIONAL FOREST

By Glen Erickson

INTRODUCTION

Aspen defoliation was reported by the Nicolet National Forest in 1969. During the jack-pine budworm aerial survey several areas of defoliation were observed. From ground checks it was determined that the Large Aspen Tortrix, Choristoneura conflictana (Wlk), is the culprit.

METHODS

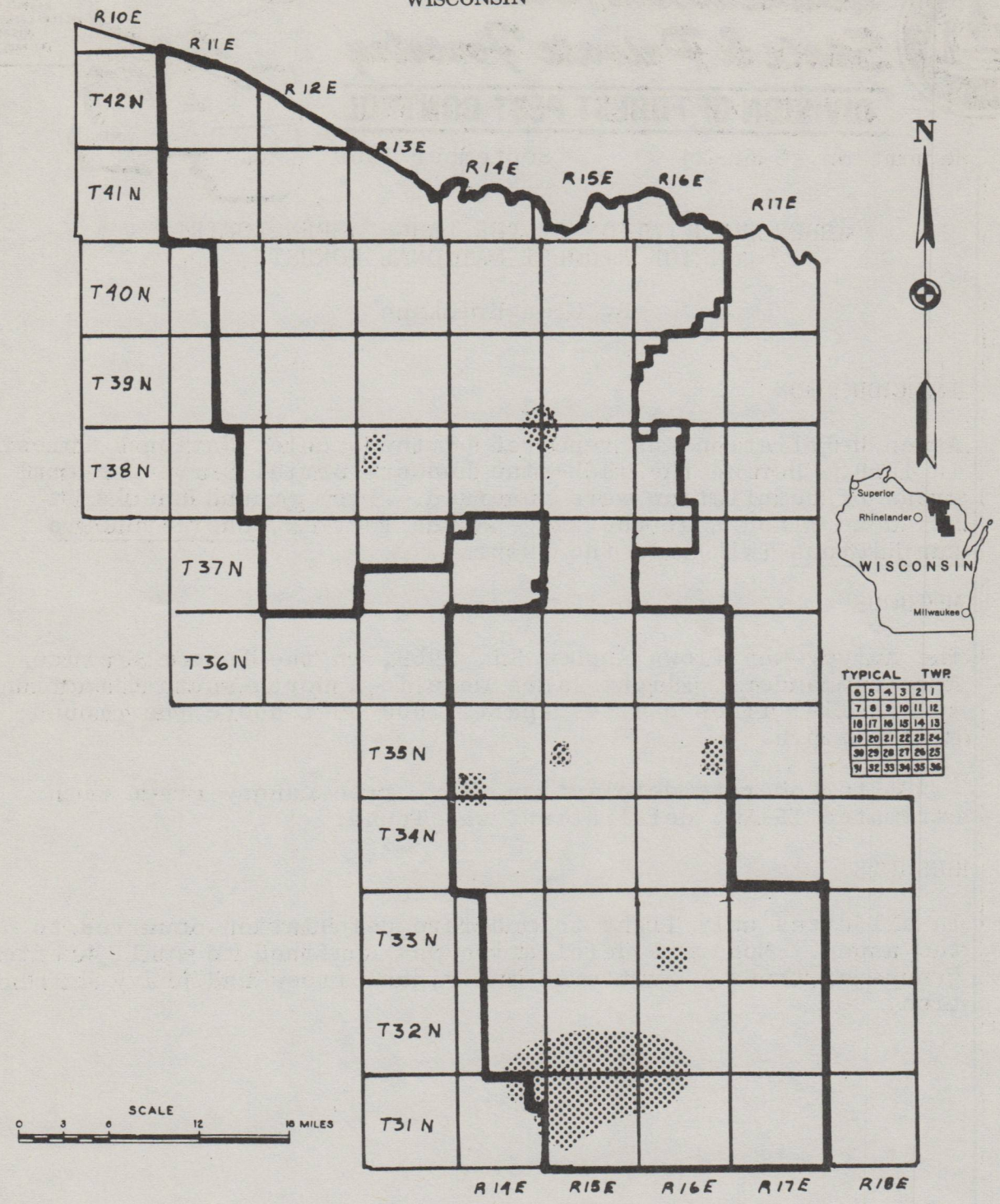
The survey was flown August 11, 1969, in the Forest Service Aero-commander. Flight lines were in a north-south direction; in parallel lines 6 miles apart; 1000 feet above the ground; at 100 m.p.h.

Light to moderate defoliation, i.e. tree canopy green with estimated 15-50% defoliation, was found.

RESULTS

In all areas only light to moderate defoliation occurred to the aspen. Moderate defoliation was confined to small scattered groups of trees. Scattered individual trees had heavy defoliation.

NICOLET NATIONAL FOREST
WISCONSIN



LARGE ASPEN TORTRIX DEFOLIATION – 1969

LIGHT TO MODERATE